

New CDMM High Voltage Chip Divider in Molded Package Reduces Component Counts, Improves TC Tracking Performance; For Automotive and Industrial Equipment, Device Offers Maximum Working Voltage of 1500 V in 4527 Case Size

Product Benefits:

- Ribbed molded package
- High voltage to 1500 V
- 4527 case size
- Compliant surface-mount terminations
- AEC-Q200 qualified
- Wide resistance range from 500 k Ω to 50 M Ω
- Maximum resistance ratios to 500:1
- Tolerances down to ± 0.5 %
- Sulfur-resistant, RoHS-compliant, and halogen-free
- Temperature coefficient of ± 100 ppm/ $^{\circ}$ C (not in datasheet)
- TCR tracking as low as ± 10 ppm/ $^{\circ}$ C



Market Applications:

- High power DC/DC converters and inverters in electric automobiles and heavy industrial equipment and buses

The News:

Vishay Intertechnology introduces the industry's first high voltage chip divider to be offered in a ribbed molded package with compliant surface-mount terminations. Designed to reduce component counts and improve TC tracking performance and ratio stability in automotive and industrial equipment, the Vishay Techno CDMM delivers a maximum working voltage of 1500 V in the 4527 case size.

- Consists of two resistors integrated into one molded package
 - Saves space by providing a single-component replacement for multiple discrete resistors used in voltage divider applications
- Compliant with IEC 60664-1, the device offers a 12.5 mm creepage distance and is rated at 1250 V



The Key Specifications:

- Case size: 4527
- Maximum working voltage: 1500 V
- Resistance range: 500 k Ω to 50 M Ω
- Resistance ratio range: 100:1 to 500:1
- Ratio tolerance: $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, and $\pm 5\%$
- Temperature coefficient: ± 100 ppm/ $^{\circ}$ C
- TCR tracking: ± 25 ppm/ $^{\circ}$ C to ± 50 ppm/ $^{\circ}$ C

Availability:

Samples and production quantities of the CDMM series are available now, with lead times of stock to 12 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?68041> (CDMM)

Contact Information:

THE AMERICAS

Krishna Gone
krishna.gone@vishay.com

EUROPE

Richard Steel
richard.steel@vishay.com

ASIA/PACIFIC

Victor Goh
victor.goh@vishay.com